

FIGURE 1 (PRIOR ART)

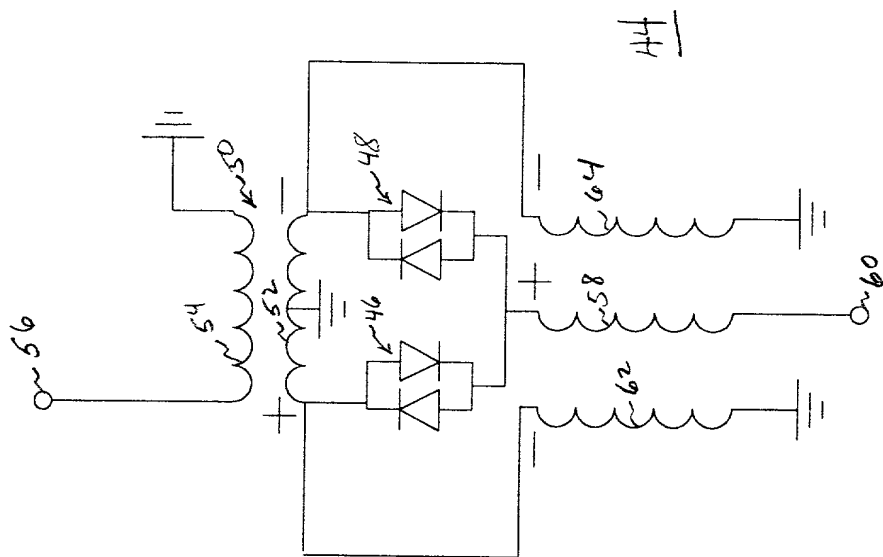


Figure 2 (Prior net)

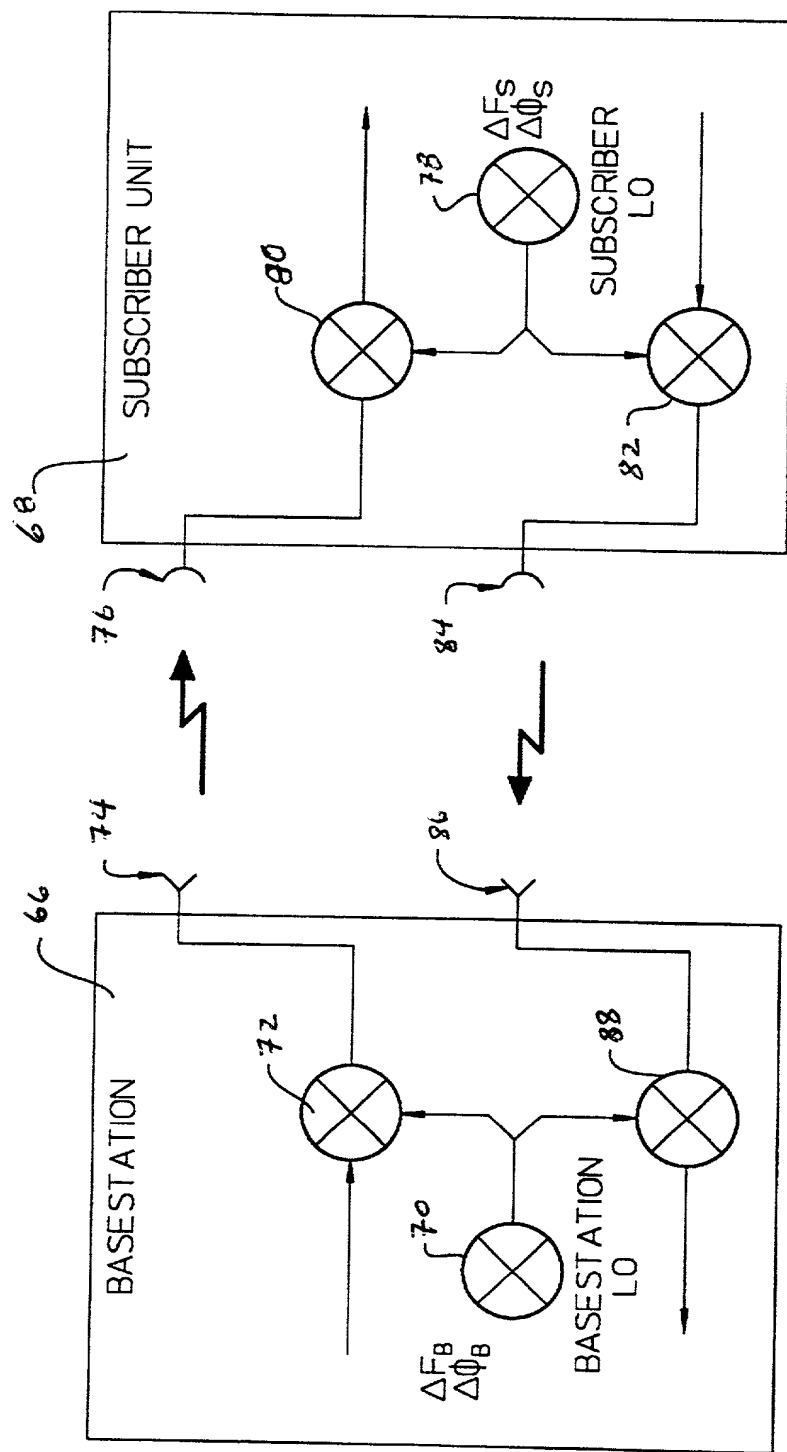


Figure 3 (PRIOR ART)

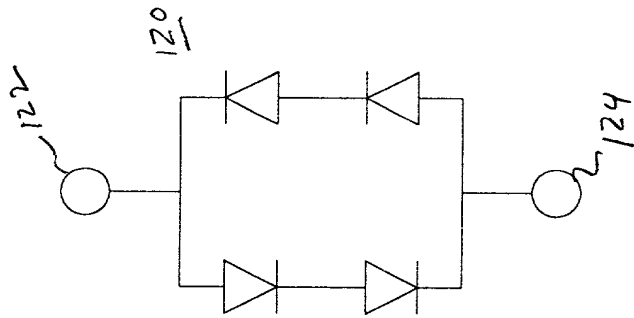


FIGURE 5

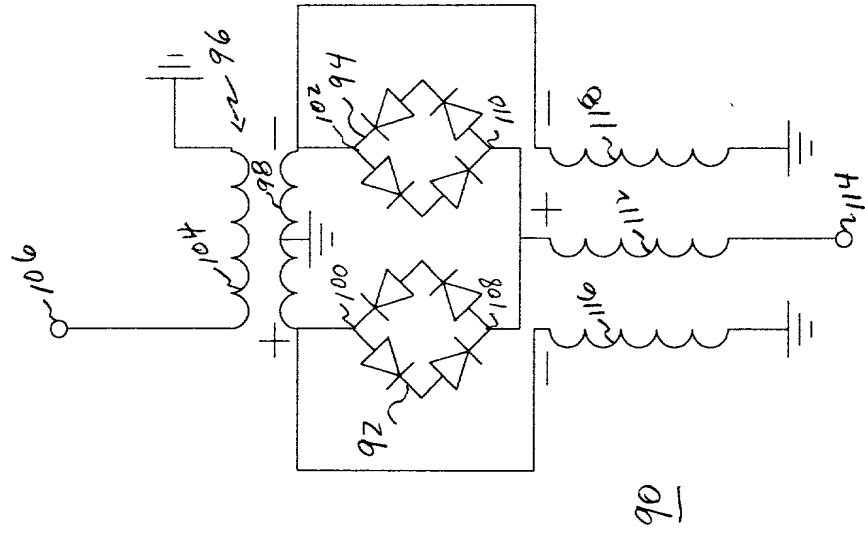


FIGURE 4a

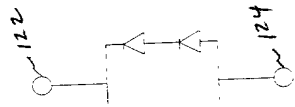


FIGURE 4b

FIGURE 4d

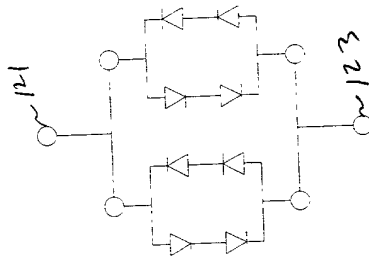
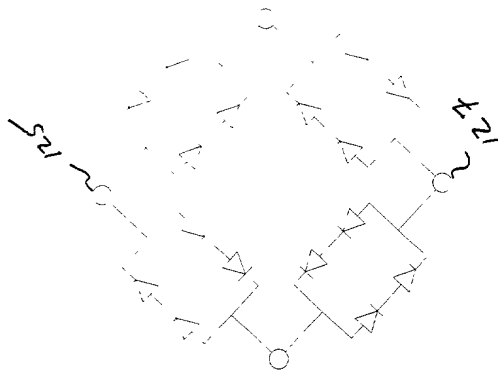


FIGURE 4c

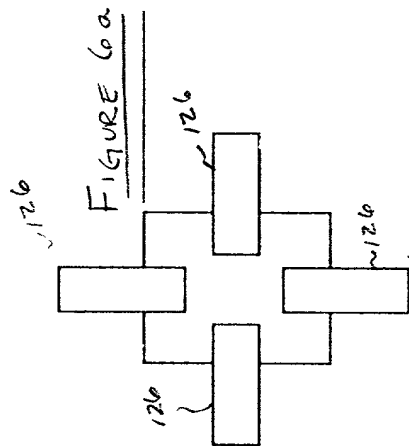
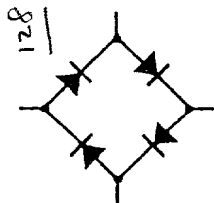


FIGURE 6c



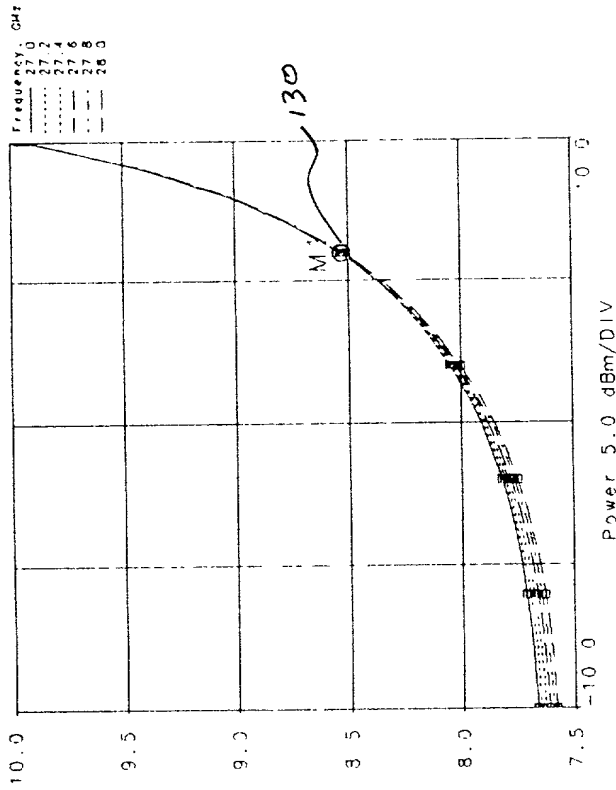


Figure 7

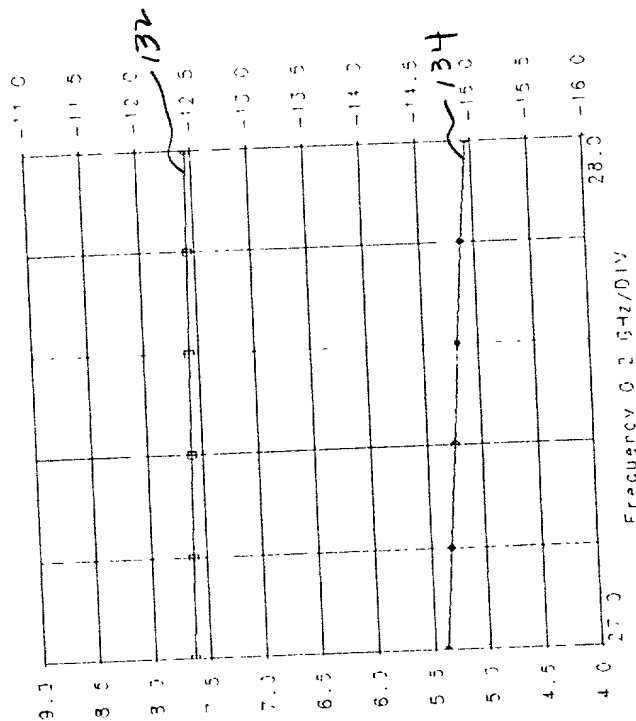
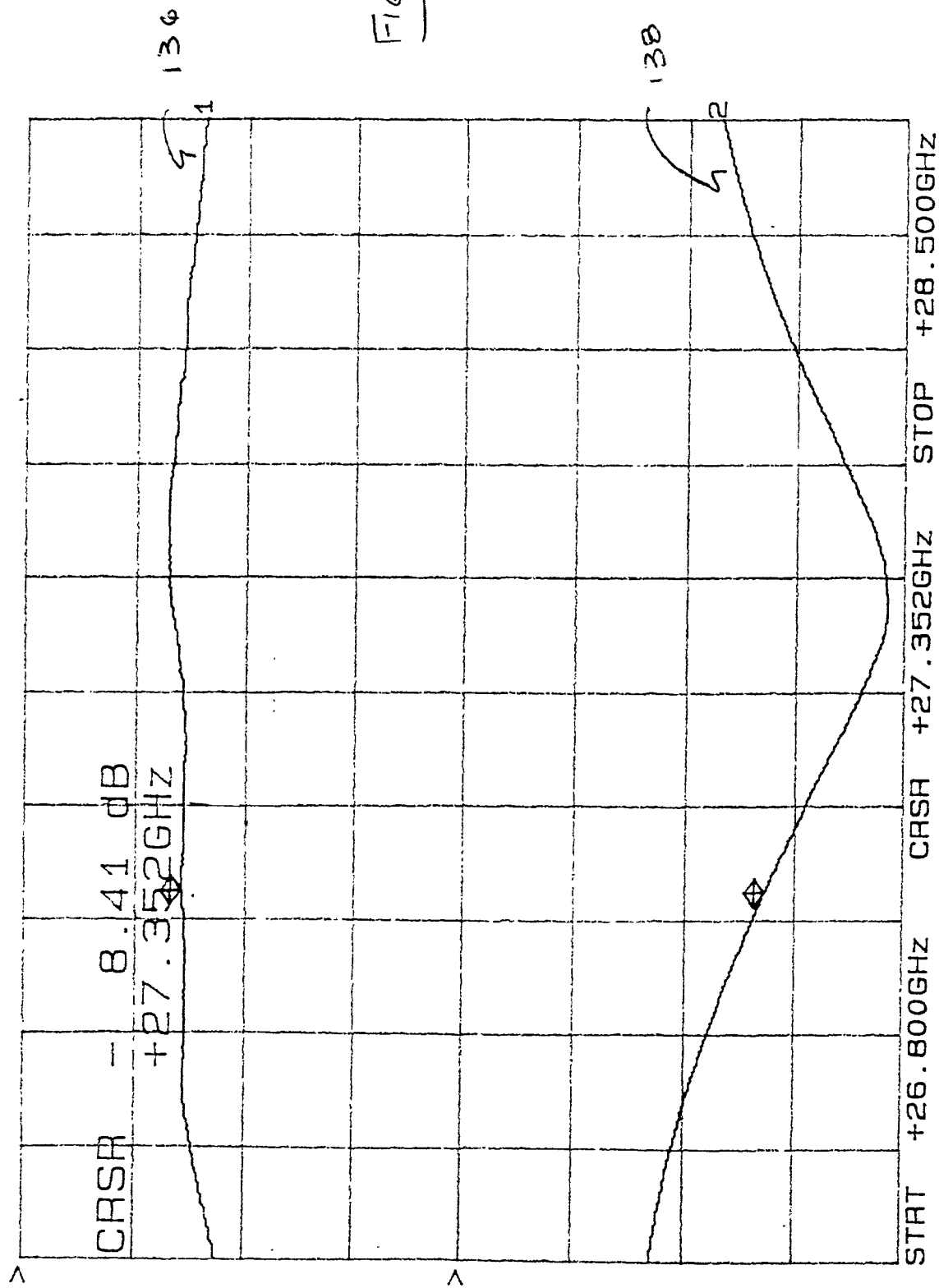


Figure 8

CH1: A -M - 8.41 dB
 1.0 dB/ REF - 7.00 dB
 CH2: B -M - 13.59 dB
 5.0 dB/ REF - .00 dB



TOP OF CHOCOLATE

CH2: B -M - 9.70 dB
5.0 dB/ REF - .00 dB

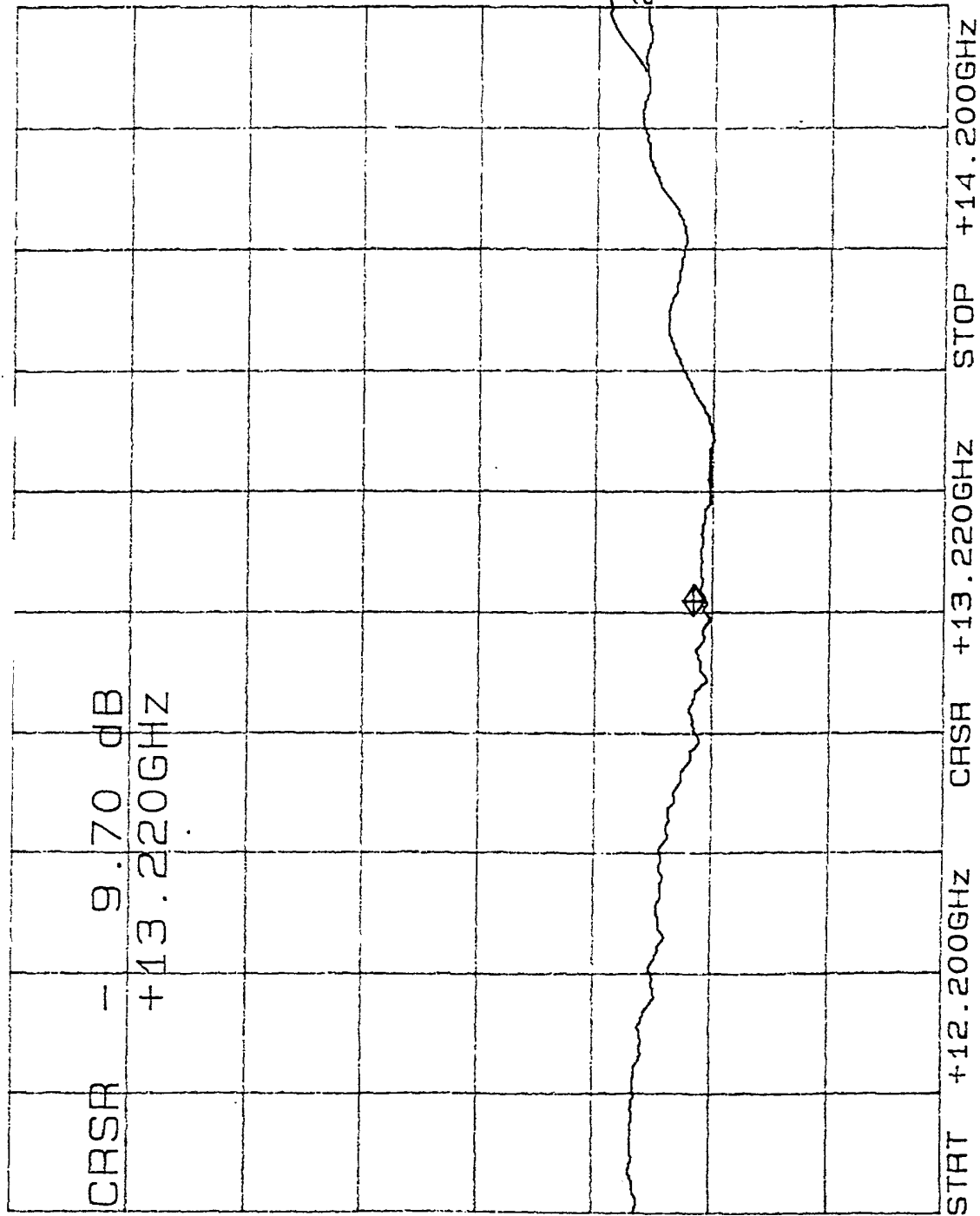


FIGURE 10

CH1: A -M = .77 dB
 .5 dB/ REF = 7.50 dB

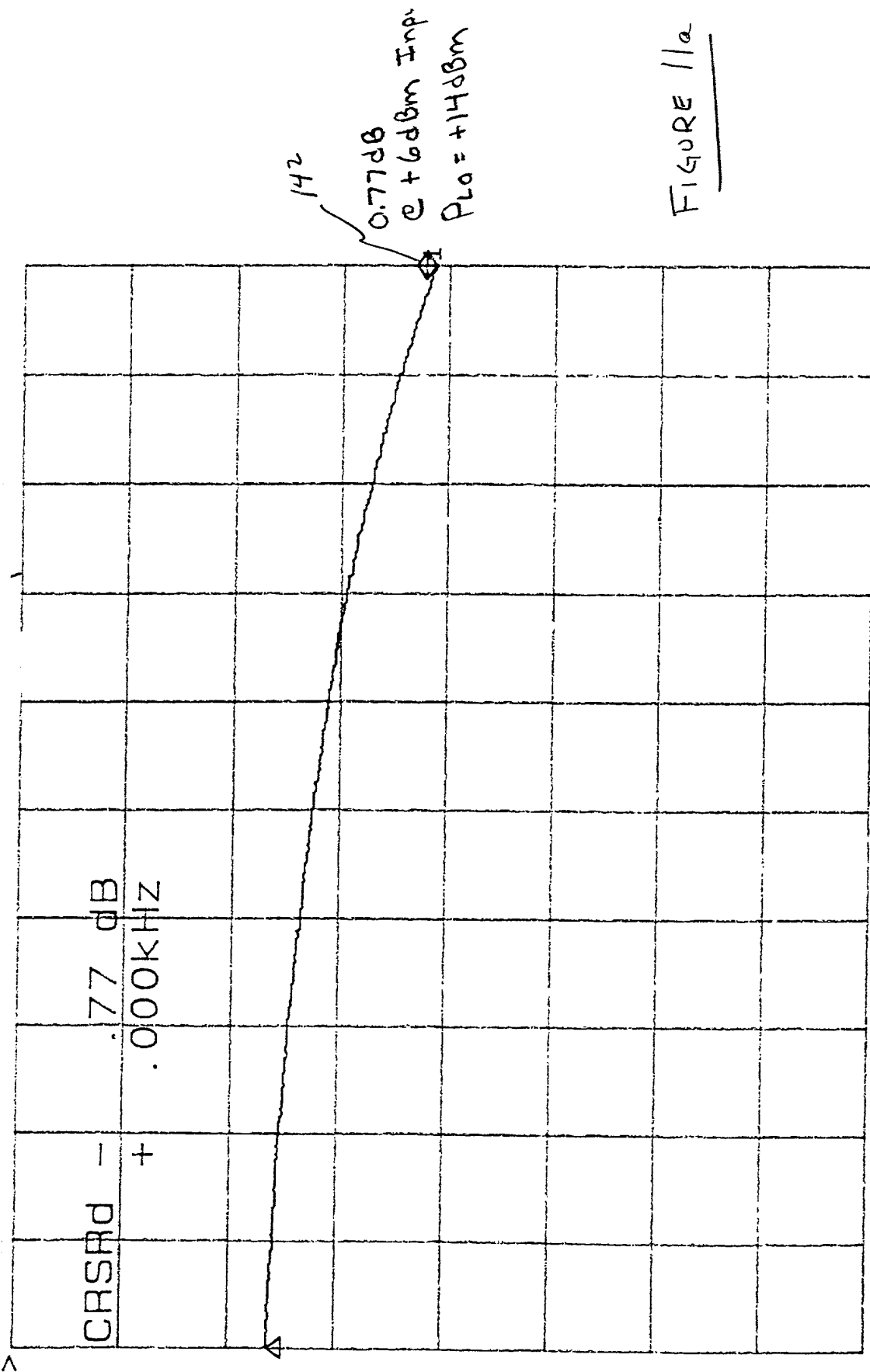


FIGURE 11a

-4 dBm $\xrightarrow{\text{Pin @ RF}}$ +6 dBm

f_{RF} = 27.85 GHz

108707 2162860

ATTEN 10dB

Δ MKR -43.33dB

RL -28.3dBm

10dB

-20.92MHz

Δ MKR

-20.92 MHz

-43.33 dB

$P_{in} = -6\text{dBm}$

TIP3
= +15dBm

$\odot P_{LO} =$
+14dBm

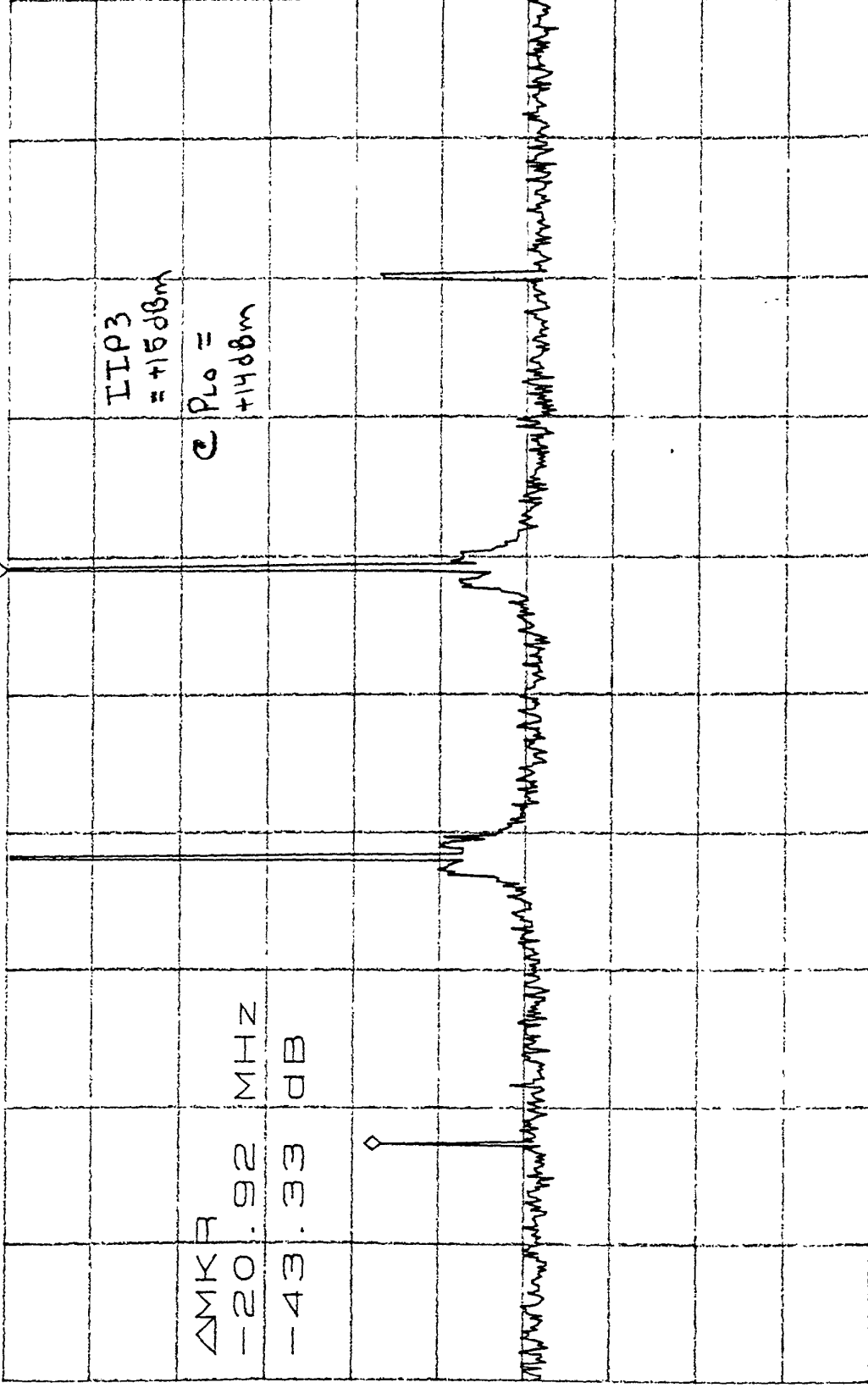


FIGURE 12a

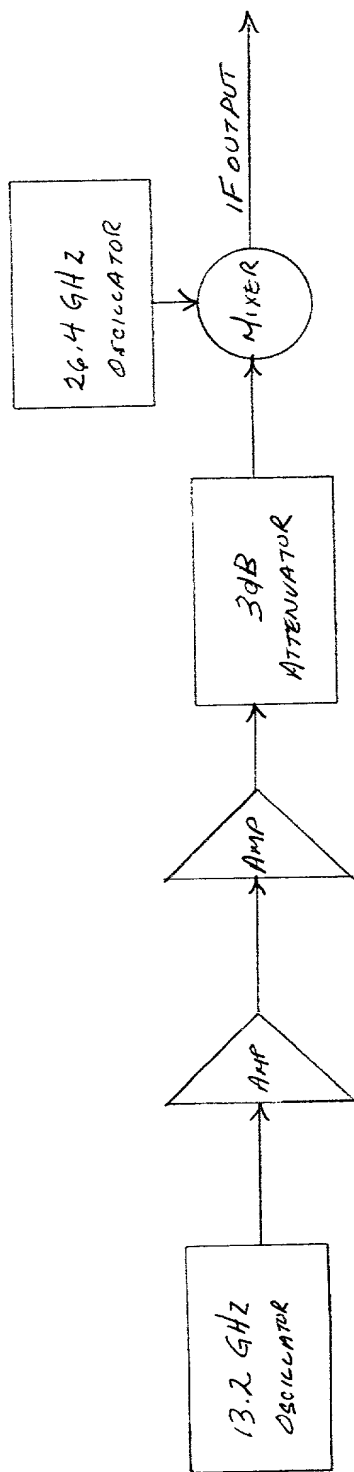


FIGURE 11b

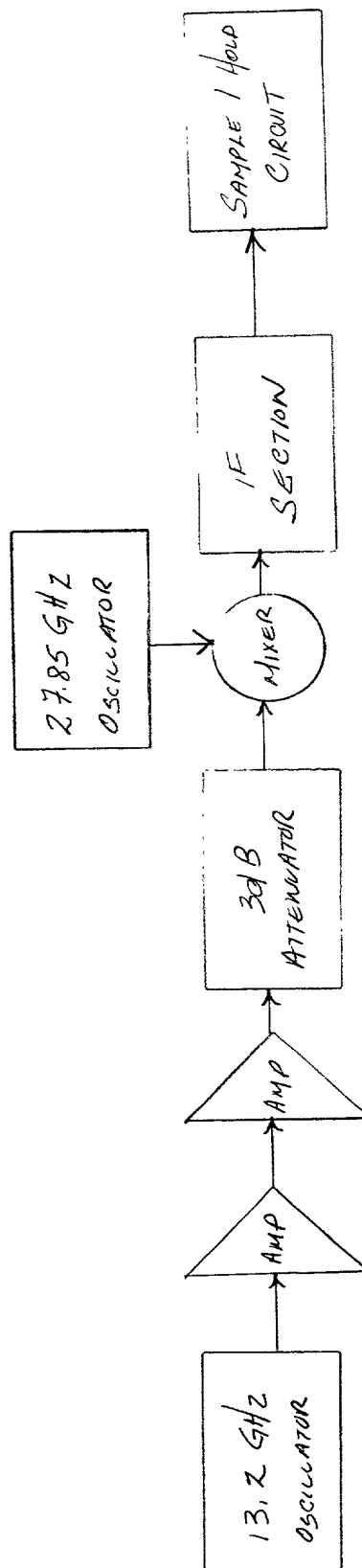


FIGURE 12b

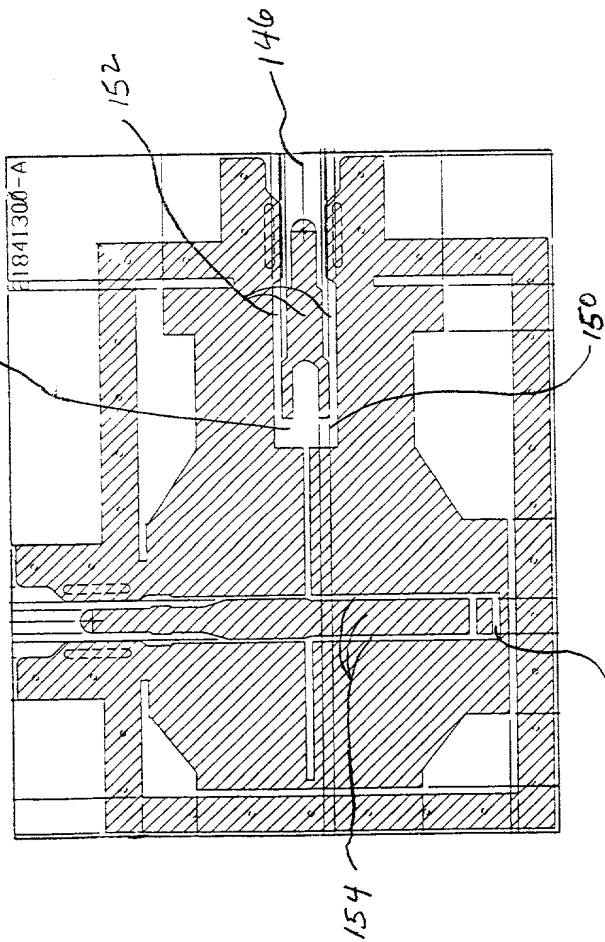


FIGURE 13a

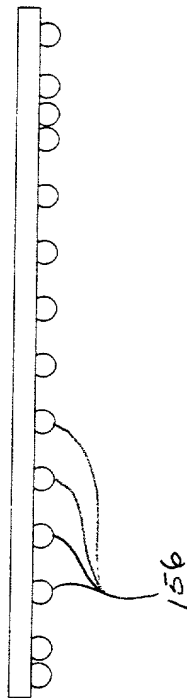


FIGURE 13b